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papers on any subject whatsoever, but is merely to lay emphasis upon the desirability of papers on subjects concerning the Pacific region.

There will be four general sessions for the delivery of addresses by eminent men on subjects of wide interest. There will be many simultaneous or alternating meetings for the presentation of addresses and papers in the principal division of scientific knowledge. It is proposed that certain half days or whole days of the week be left free from scientific programs in the respective divisions in order that members and others in attendance may visit the exposition and other points of special interest in the vicinity.

The Pacific Coast Committee hopes that the 1915 meeting of the American Association, at a point so far removed from the usual meeting places of the general and special scientific societies of America and from the homes of their members, may be remarkable for the number of members of these societies in attendance and for the wide interest and high standard of the addresses and papers presented.

Please address correspondence to Albert L. Barrows, University of California Library, Berkeley, California.

SCIENTIFIC NOTES AND NEWS

A COMMITTEE has been formed in France, under the patronage of M. Poincaré, president of the Republic, for the erection of a monument in honor of J. H. Fabre, the famous entomologist. The idea is, not only to erect a monument at Serignan, but to preserve and to convert into a museum the estate of Harmas, the dwelling of the great naturalist. Subscriptions are asked from naturalists all over the world, and may be sent to the president of the committee, M. Henri de la Pailhonne, mayor of Serignan (Vaucluse), France.

THE medical faculty of Turin has decided to erect a memorial to the distinguished physiologist, Angelo Mosso, in the institute in which he taught for many years. The memorial will be unveiled on November 14, 1914,

the fourth anniversary of Mosso's death. Contributions should be sent to Professor Alberto Aggazzotti, Corso Raffaello, Torino.

REAR ADMIRAL ROBERT E. PEARY, U. S. N., retired, has received the gold medal conferred upon him by the French Geographical Society on April 24.

DR. BEVERLY T. GALLOWAY, newly appointed director of the New York State College of Agriculture, Cornell University, has formally resigned his office of assistant secretary of the U. S. Department of Agriculture.

IN addition to the Elliott Cresson medals presented by the Franklin Institute, Philadelphia, to Dr. Smith and Mr. Wright, noted in the last issue of SCIENCE, medals were awarded and forwarded through the department of state to Professor Linde and Professor Eder. The grounds of the awards are stated by the committee as follows:

Karl Paul Gottfried Linde, Ph.D., in recognition of his scientific investigations of the processes of refrigeration and the liquefaction of gases and of his inventions of machinery for applying these processes in the manufacture of ice and for the purposes of cold storage.

Edgar Fahs Smith, Ph.D., Sc.D., LL.D., in recognition of his leading work in the field of electrochemistry, of his many contributions to the literature of chemical science, and of his great service in university education.

Joseph Maria Eder, Ph.D., in recognition of his important original researches in the science of photo-chemistry and of his many valuable contributions to the literature of that science and of the graphic arts.

Orville Wright, B.S., LL.D., in recognition of the epoch-making work accomplished by him, at first together with his brother Wilbur and latterly alone, in establishing on a practical basis the science and art of aviation.

LEWIS E. MOORE, professor of civil engineering at the Massachusetts Institute of Technology, has been appointed engineer of bridges and signals of the Massachusetts Public Service Commission, and resigned from the faculty of the institute.

DR. G. M. GUITERAS, of the Public Health Service, has been called to Tampico, Mexico, with the consent of the constitutional forces,

now in control of that place to "clean up" the city.

PREVOST HUBBARD, in charge division of roads and pavements, The Institute of Industrial Research, Washington, and Arthur H. Blanchard, professor of highway engineering at Columbia University, have been elected by the council of the International Association for Testing Materials the American members of a commission on "Standardization of Methods of Testing and Nomenclature of Road and Paving Materials."

SELSKAR M. GUNN, professor of biology in the department of sanitary biology and public health at the Massachusetts Institute of Technology, has been made managing editor of the *American Journal of Public Health* succeeding Dr. Livingston Farrand, formerly professor of anthropology at Columbia University, now president of the University of Colorado.

PROFESSOR DAVID EUGENE SMITH will represent Columbia University and the Bureau of Education at Washington at the Bacon Septenary celebration at Oxford on June 10, and at the Tercentenary Napier celebration at Edinburgh on July 22. He will spend the academic year 1914-1915 in travel abroad.

DR. J. P. IDDIGS, of the U. S. Geological Survey, will lecture at the University of London from June 4 to 9 on "Problems of Petrology." Mr. Iddings is on his way to the Netherlands, Indies and the islands of the South Pacific to study igneous rocks, traveling under the auspices of the Smithsonian Institution of Washington.

PRESIDENT R. C. MACLAURIN, of the Massachusetts Institute of Technology, is making a visit to the Pacific coast.

MESSRS. FREDERICK G. CLAPP and Myron L. Fuller, of the Associated Geological Engineers, Pittsburgh, are engaged in the examination of the northern parts of Chili and Shensi provinces in China for petroleum for the Standard Oil Company.

DR. ELWOOD S. MOORE, professor of geology and mineralogy at the Pennsylvania State

College, has been granted a year's leave of absence for 1914-15, and plans to spend it traveling abroad. He will sail from San Francisco on June 23, for Australia, in order to attend the annual meeting of the British Association for the Advancement of Science. After six months spent in Hawaii, New Zealand, and the East Indies he will study the balance of the time, until the fall of 1915, at the University of Berlin with Professor Krusch, of the department of economic geology.

THE annual stated meeting of the American Medico-Psychological Association is being held in Baltimore this week. A symposium on "Paresis" was announced for May 26. On the following day the annual address was delivered by Dr. Lewellys F. Barker on "The Relation of Internal Medicine to Psychiatry," and on the fourth day there was a symposium on "Eugenics."

MR. W. F. HILLEBRAND, chief chemist of the U. S. Bureau of Standards, lectured recently before the Cornell section of the American Chemical Society on "Chemistry at the Bureau of Standards."

THE Page-May memorial lectures of University College, London, for the current session will be delivered by Dr. Keith Lucas, whose subject will be "The Conduction of the Nervous Impulse." The course is given on Fridays, beginning on May 15.

PROFESSOR V. KARAPETOFF, of the department of electrical engineering, Cornell University, has completed an extended lecturing tour. His itinerary and topics were as follows: May 9, Springfield, Mass., an address before the Eastern Association of Physics Teachers on the subject of "Some Calculations in the Magnetic Circuit." May 11, Cleveland, Ohio, an address before the engineering students of the Case School of Applied Science on "The Production of a Revolving Magnetic Field." On the same day, a lecture before the Case School chapter of the Society of Sigma Xi on "The Dielectric Circuit." On Tuesday, May 12, an address before the engineering students of the Carnegie Institute of Technology,

Pittsburgh, on "Some Transient Electrical Phenomena," and on the evening of the same day, a paper before the Pittsburgh section of the American Institute of Electrical Engineers, a paper on "The Preparation and Qualifications of a Teacher in Engineering." On May 13, he addressed the students of the University of Pittsburgh on the "Electrification of Steam Railroads."

At the University of Glasgow on commemoration day, June 23, an oration on Lord Lister will be delivered by Sir Hector C. Cameron.

PROFESSOR RUDOLF TOMBO, JR., of the department of Germanic languages, Columbia University, known also to readers of this journal for his articles on "University Registration Statistics," died on May 22.

WE regret also to record the death of Mr. Herman Frasch, the industrial chemist, at one time chief chemist of the Standard Oil Company.

UNIVERSITY AND EDUCATIONAL NEWS

LAFAYETTE COLLEGE is a beneficiary in the will of Mr. William Runkle to the amount of \$100,000.

THE South Wales and Monmouthshire University College at Cardiff has received from an anonymous donor funds for the erection of a school of preventive medicine. The money value of this gift, together with that of Sir William James Thomas to erect a school for other branches of medicine in connection with the college, is estimated at £180,000.

THE cornerstone of the Julius Rosenwald Hall at the University of Chicago will be laid on the morning of Convocation Day, June 9. The address will be given by Professor T. C. Chamberlin, head of the department of geology, who has been connected with the university since its founding.

THE new building of the department of forestry of the New York State College of Agriculture was formally opened on May 15. Among those who made addresses were Professor James W. Toumey, director of the Yale

Forest School; Dr. Henry S. Drinker, president of Lehigh University, Mr. Gifford Pinchot and Dr. L. H. Bailey.

THE fiftieth anniversary of the founding of the School of Mines at Columbia University is being celebrated this week. On Thursday night there is a reception in the gymnasium. On Friday morning there will be a convocation at which honorary degrees will be conferred upon a number of eminent graduates of the School of Mines, and there will be addresses by Professor H. S. Munroe, Mr. T. W. Rickard and Mr. Hennen Jennings. In the afternoon the first lecture on the Chandler Foundation will be given by Dr. Leo H. Baekeland. The celebration will close with a dinner at the Waldorf-Astoria in the evening, at which Professor J. F. Kemp will preside.

THE foundation stone of the new School of Tropical Medicine at Calcutta, for the site and laboratory of which the government of India has appropriated \$195,000, was laid recently by the governor of Bengal. The *Journal* of the American Medical Association states that the institute will accept students from all over the world, and it is hoped that students of medical research institutions of the United States may be sent to the school for study. Communications regarding the school should be addressed to Lieut.-Col. Leonard Rogers, I. M. S., Medical School, Calcutta.

A NEW department, that of hygiene and bacteriology, has been created at the University of Chicago by the board of trustees. The chairman of the department is Edwin Oakes Jordan, professor of bacteriology, and associated with him in the work of the department are Assistant Professor Norman MacLeod Harris and Dr. Paul Gustav Heinemann. During the present quarter also Associate Professor William Buchanan Wherry, of the University of Cincinnati college of medicine, is giving courses in advanced bacteriology and parasitology. The work in bacteriology was formerly included in the department of pathology and bacteriology, which now becomes the department of pathology, with Professor Ludvig Hektoen as head.